Digital Satellite Receiver
IRDETO Embedded
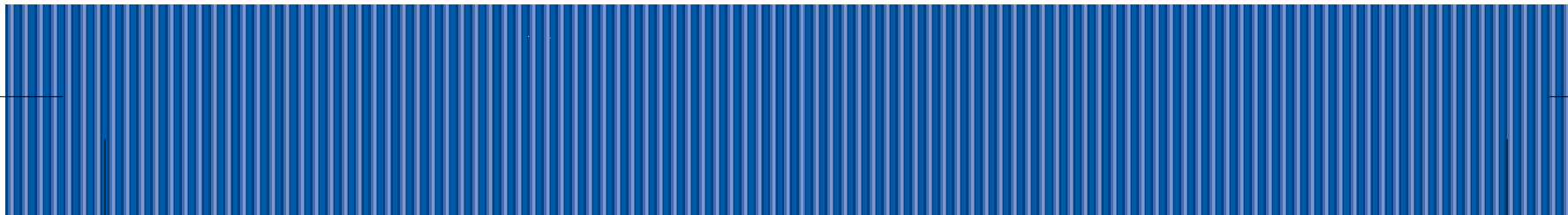
IRCI-ACE

User's Manual

The product image may differ from the actual product.

Notice

Thank you for purchasing a HUMAX Digital Satellite Receiver. Please read this user manual carefully, to be able to safely install, use and maintain the product at maximum performance. Keep this user manual next to your product for future reference.

Throughout the whole manual, Note mark indicates additional information of operating product to make the user aware of possible problems and information of any importance to help the user to understand, to use and to maintain the installation.

The product has been manufactured to satisfy international safety standards. Please read the following safety precautions and warning carefully.

- Disconnect the product from the mains before you start any maintenance or installation procedures.
- Do not overload a wall outlet, extension cord or adapter as this may result in electric fire or shock.
- The product should not be exposed to any liquids such as dripping or splashing. In addition, no objects filled with liquids, such as vases, should be placed on the apparatus.
- Do not stand the product on soft furnishings or carpets. Do not stack electronic equipments on top of the product.
- Do not use any unsupported attachments as these may be hazardous or cause damage the product.
- Disconnect the product from the mains before connecting or disconnecting the cable from the antenna or TV.
- The LNB cable must be earthed to the system earth for the satellite dish.
- Place the product indoors to avoid exposing it to lightening, rain or sun. Do not place it near a radiator or heat register. Make sure it has more than 10 cm clearance from any appliances susceptible to electromagnetic influences, such as a TV or a VCR.
  Do not block these openings with any object, and do not place the product on a bed, sofa, rug, or other similar surface. If you place the product on a rack or bookcase, ensure that there is adequate ventilation and that you have followed the manufacturer's instructions for mounting.
  Do not place the product on an unstable cart, stand, tripod, bracket, or table where it can fall. A falling product can cause serious injury to a child or adult, and serious damage to the appliance.
- Unplug the product from the wall outlet and disconnect the antenna during a thunderstorm or when left unattended and unused for long periods of time.
- Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts.
- When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorised substitution may result in additional damage to the unit.

Contents

Contents

This chapter provides detailed instructions on the product and its accessories.

1.1 Package Contents

When you unpack your package contents, make sure you have all the necessary items shown in figure below. If any of items is missing or damaged, please contact your product dealer for replacement.
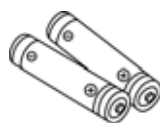
Remote Controller	Batteries	User's Manual	RCA Cable

Note: The product image may differ from the actual product.

1.2 Front Panel
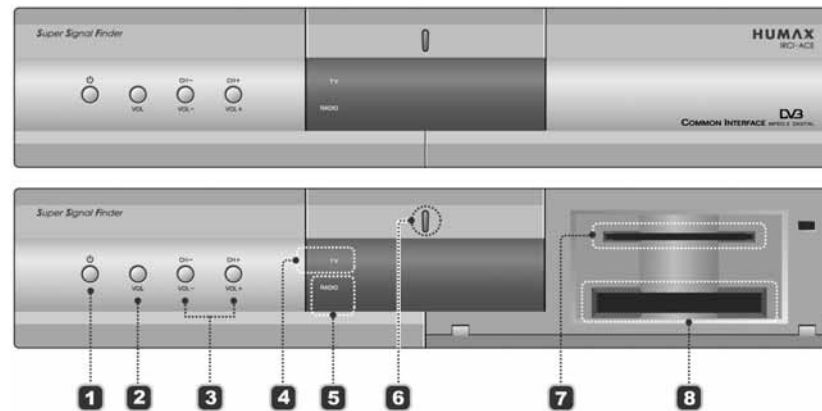
1. **STANDBY Button**

   Switches between Operation and Standby modes.

2. **VOL Button**

   Display the volume bar.

3. **CH-/CH+ or VOL-/VOL+**

   Moves the TV/Radio service or volume up/down.

4. **TV LED**

   Green light is emitted when the product is in TV mode.

5. **RADIO LED**

   Amber light is emitted when the product is in Radio mode.

6. **STANDBY LED**

   Red light is emitted when the product is in standby mode.

7. **SMART CARD SLOT**

   Slot for a smart card.

8. **CAM SLOT**

   For a CA Module with a smart card.

Note: See 1.4 Conditional Access when you insert the smartcard or the CAM.

1.3 Rear Panel
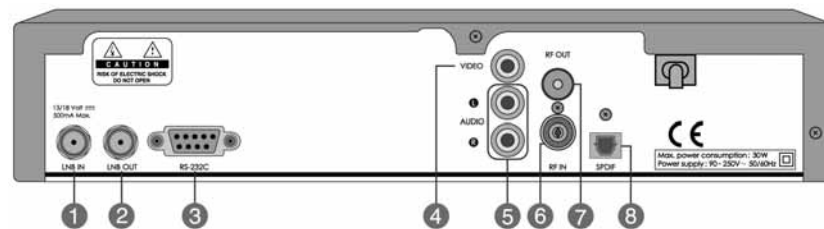
1. **LNB IN**

   Connects a satellite antenna cable.

2. **LNB OUT**

   Connect other digital satellite receiver.

3. **RS-232C**

   Connects to your PC to update product's software programme.

4. **VIDEO**

   Connects to your TV or VCR and output Video signals.

5. **AUDIO L/R**

   Connects to your TV or VCR and output Audio signals.

6. **RF IN**

   Connect a general aerial antenna with the cable jacks to the RF input jack on the product.

7. **RF OUT**

   Connect a RF signal from the product to RF input jack on your TV.

8. **S/PDIF**

   Outputs the digital audio signals (S/PDIF)

1.4 Conditional Access

Although some TV and Radio services are free to air, most TV and Radio/Music services are available on a subscription basis and can only be enjoyed via Conditional Access component. The Conditional Access component is removable Smartcard and Common Interface CAM.

Inserting Smartcard

A Smartcard looks similar to a credit card and entitles you to view and listen to all the services you choose to subscribe to. The Smartcard slot on the product can be used for Irdeto Smartcard only.

1. Open the right-hand flap on the front panel of the product.
2. Hold the Smartcard horizontally with the electronic chip (generally small square, gold in colour) facing upwards.
3. Insert the Smartcard into the top slot until the card is completely in.
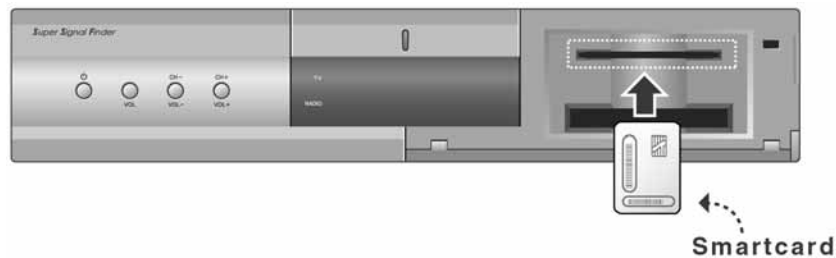
Inserting Common Interface CAM

Your receiver is equipped with slot of Common Interface(CI).

1. Open the right-hand flap on the front panel of the product.
2. Insert the smart card into the CI module, and CI module into the slot.
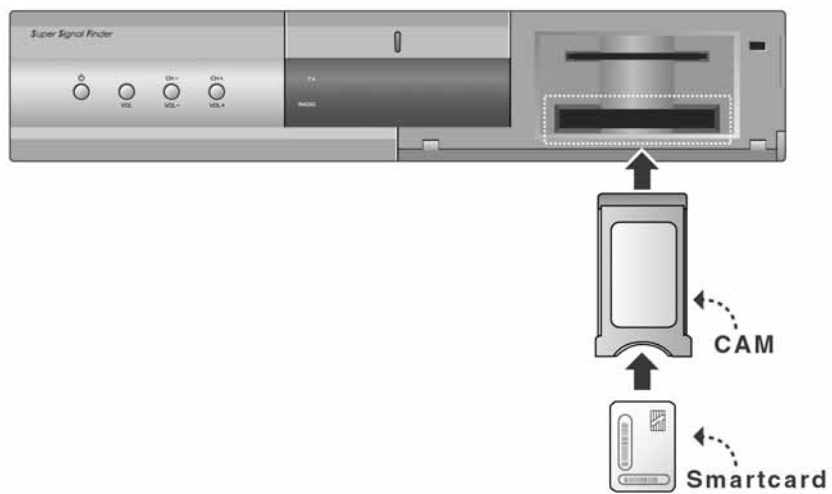
1.5 Remote Controller
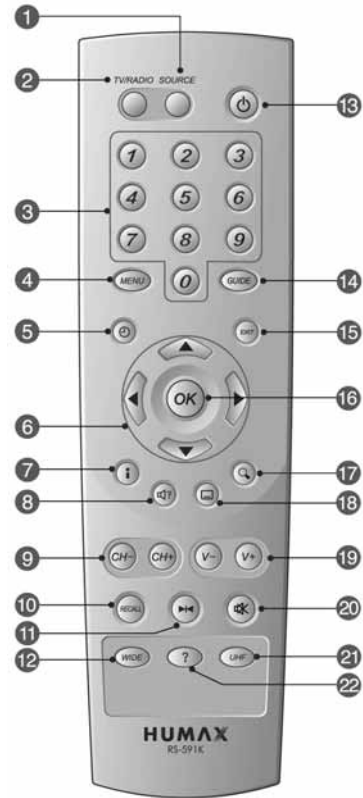
1. **SOURCE**

   Selects the input source between TV and product.

2. **TV/RADIO**

   Switches between TV and Radio modes.

3. **NUMERICAL BUTTONS**

   Enters a TV/Radio service number or menu option number.

4. **MENU**

   Displays the main menu.

5. **TIME - WHITE**

   Displays the current time on the screen. To set the current time, refer to 7.2 System Setting.

6. **ARROW BUTTONS**

   Change services or move the cursor to the up, down, left or right menu option.

7. **i (INFORMATION) - RED**

   Displays the information about the service and programme.

8. **SOUNDTRACK - GREEN**

   Displays the soundtrack list where available.

9. CH - / CH +

Changes the Service.

10. RECALL

Returns to the previous screen.

11. FREEZE

Freezes the TV screen you are watching. Play the audio continuously.

12. WIDE

Changes the Display Format.

13. STANDBY

Switches between Operation and Standby modes.

14. GUIDE

Displays the Programme Guide.

15. EXIT

Returns to the previous menu and exits all OSD screens.

16. OK

Selects a menu or confirms the selection. Displays the service list during watching a programme.

17. ZOOM - BLUE

Enlarges the picture.

18. SUBTITLE - YELLOW

Display the subtitle language list where available.

19. V - / V +

Adjusts the audio volume.

20. MUTE

Pauses the audio temporarily. That is, volumes on/off temporarily.

21. UHF

Displays the UHF menu.

22. ? (HELP)

Displays the Property of Service on the screen.
Please refer to 4.4 Setting Property of Service.

** COLOUR BUTTONS (R/G/B/Y/W)

Select color keys for interactive applications.

This chapter describes how to set up the product. Select the most appropriate procedure depending on your case. Before you connect the product to any other equipment, you must disconnect all the equipment from their power sources.

Note: If you encounter any problem when setting up the product, please contact your local product distributor.

2.1 Connecting Antenna/TV
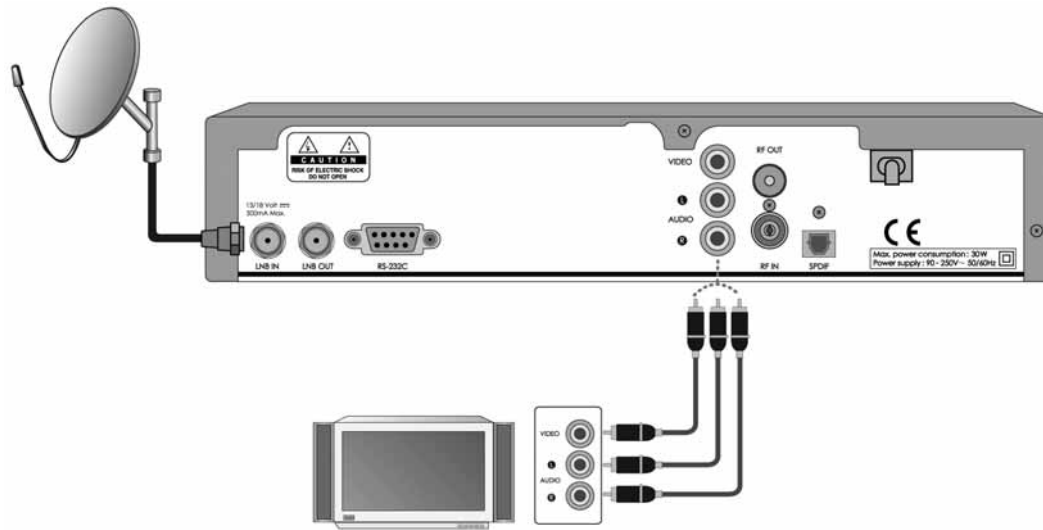
1. Connect an Antenna to LNB IN on the product.
2. Connect VIDEO on the product to VIDEO IN on the TV using the RCA cable.
3. Connect AUDIO L/R on the product to AUDIO IN L/R on the TV using the RCA cable.

2.2 Connecting Hi-Fi System
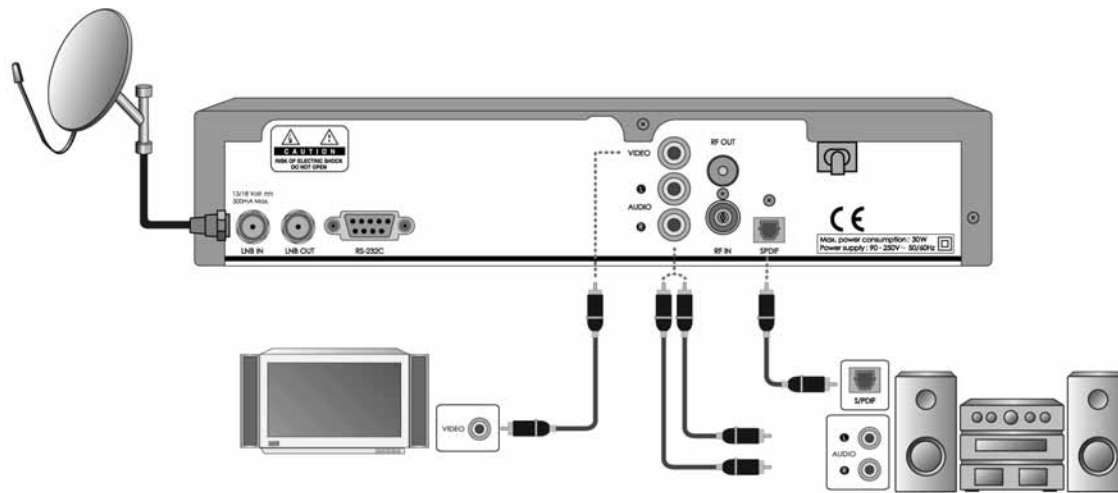
1. Connect an Antenna to LNB IN on the product.
2. Connect VIDEO on the product to VIDEO IN on the TV using the RCA cable.
3. Connect AUDIO L/R on the product to AUDIO IN L/R on the Audio System using the RCA cable.
4. If you wish to connect the optical S/PDIF terminal and Dolby digital decoder to listen digital audio, connect as above.

2.3 Powering On

1. Connect the power cord of the product to a wall outlet.
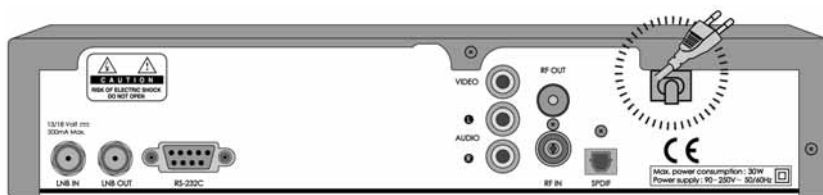
2. Press the **STANDBY** button on the front of the product or on the remote controller.

3.1 Selecting Language

When powering on your product for the first time after purchasing, the Selecting Language screen is automatically displayed. Select your des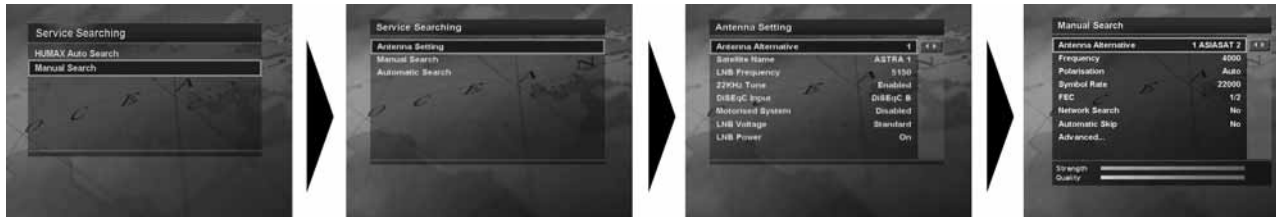ired language using the ▲/▼ button and press the **OK** button. The following procedure is HUMAX Auto Search. For information about it, refer to 3.2 Searching Services.

3.2 Searching Services

To search services, go to Service Searching menu (MENU-INSTALLATION-SERVICE SEARCHING).

Menu structure varies according to an item and its operation. You can easily navigate the menu using the following instructions:

1. Press the **MENU** button to display the main menu screen.
2. Select your desired item using the ▲/▼ button.
3. Press the **OK** button to move from the menu to the sub-menu.
4. Press the ◄/► button to select option values.
5. Press the **NUMERICAL** button to enter the option values.
6. Press the ◄/► button to open the option list and press the **EXIT** button to close the option list.
7. Press the **EXIT** button to return to the parent-menu.
8. Press the **MENU** button to exit the menu screen.

Note: Some menu items are access controlled. When accessing to the protected menu, you will be prompted to enter the Pin Code. Enter your Pin Code using the **NUMERICAL** button. The default Pin Code is set to "1234".

1. HUMAX Auto Search

If your product is connected to the antenna and television, you can automatically search services without entering any other information.

Warning:　　Please note that once you perform HUMAX Auto Search, all data such as Antenna setting information channel lists and smart card information you already set are deleted.

When you select this menu, you can view the window asking if you have a motorized dish. If you wish to stop the operation, press the **EXIT** button. If you do not have a motorized dish, select No, and press the **OK** button. Then, the product will search services. Wait a moment until the operation is completed. After completing search operation, the result window will be displayed. If no satellite is detected, you can select Continue or Retry. If you select Retry, the product will search services again. If you select Continue, you can return to the Service Searching menu.

If you have a motorized dish, select Yes, and press the **OK** button. The Antenna Setting menu will be displayed. The configuration of antenna is described in the following.
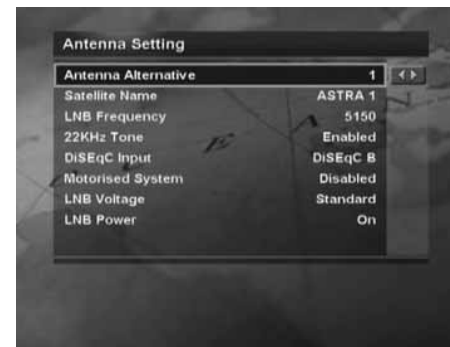
2. Antenna Setting

You can set antenna and LNB information to search services.
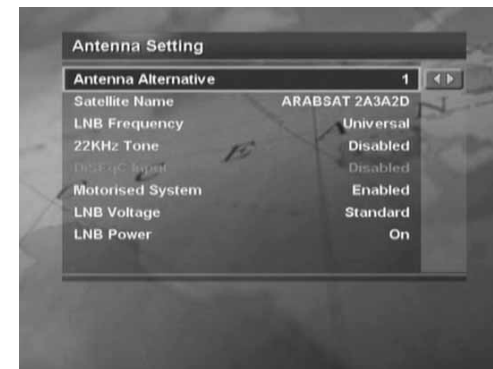
- **Antenna Alternative:** Select antenna alternative which has different combinations of settings for search. Antenna Alternative 16 is predefined for SMATV.
- **Satellite Name:** Displays the satellite list ordered by name. If the desired satellite name is not listed, then select User Defined. You can enter the Satellite Name using the keyboard displayed on the screen.
- **LNB Frequency:** Select the L.O (Local Oscillator) Frequency of the LNB.
- **22KHz Tone:** When using the 22HKz tone switch, select Enabled. Otherwise, select Disabled.
- **DiSEqC Input:** If you are using DiSEqC (Digital Satellite Equipment Control) switch to connect multiple antennas or LNBs, select DiSEqC input to connect to antenna or LNB.
- **Motorised System:** When using motorised system, select Enabled. Otherwise, select Disabled. When Motorised System is set to Enabled, DiSEqC Input is disabled.
- **LNB Voltage:** You can select Standard voltage or High voltage.
- **LNB Power:** You can turn LNB Power on or off.

When you complete the settings, press the **OK** button to move to the Manual Search menu.

3. Manual Search

You can search services of the selected satellite by transponders if you know the transponder information.

- **Antenna Alternative:** Select antenna alternative which has different combinations of settings for search. Antenna Alternative 16 is predefined for SMATV.
- **Frequency:** Enter transponder frequency.
- **Polarisation:** Select the type of polarisation.
- **Symbol Rate:** Select or enter transponder symbol rate.
- **FEC:** Select FEC (Forward Error Correction).
- **Network Search:** If you want to search services for multiple transponders, select Yes. Otherwise, select No.
- **Automatic Skip:** When skipping all scrambled service search, select Yes. Otherwise, select No.
- **Advanced:** In advanced mode, enter Video Packet ID (PID), Audio PID, and PCR PID.
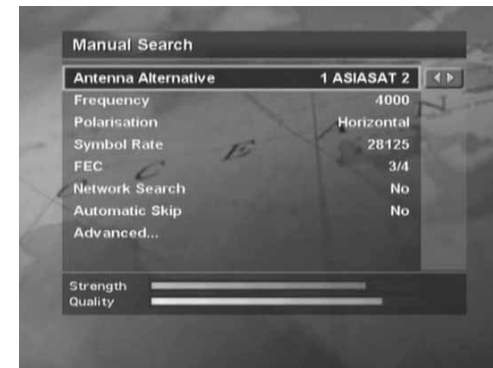
After setting the parameters of search, press the **OK** button to start service search. Wait a moment until the operation is completed. After finishing search operation, the result window will be displayed. You can delete the services using the ▲/▼/◀/▶ and **RED** button. To cancel deleting operation, press the **RED** button again. The screen also shows the information of the number of the found services and transponder.
To save the found services, press the **OK** button.

Note:
- If the antenna is correctly set up, the level at signal strength bar and quality bar, which are located at the bottom of the screen, are generally moved up.
- Press the **EXIT** button to stop search operation.

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4. Satellite Setting

This menu appears only when you enable Motorised System in Antenna Setting menu and press the **OK** button while Antenna Alternative in Manual Search menu is selected.

- **Satellite Name:** Select a satellite to identify a motor antenna. If the desired satellite name is not listed, then select OTHER.
- **Movement:** In user mode, this is used to fine-tune the position of the motor. In installer mode, this is used to search for the position of the satellite manually.
- **Motor Control:** You can select one option among Search, Goto, Store, or Reset.

  - Search: Searches for services on the selected transponder.
  - Goto: Moves the motor to the saved position of the selected satellite.
  - Store: Saves the current position of the motor for the selected satellite.
  - Reset: Resets all saved positions of the motor relative to the 0 position. (Installer Mode Only)
- **DiSEqC Command Mode:** Select Installer or User mode.

The following table shows the value of the motor setting options.

DiSEqC Command Mode	Movement	Motor Control
Installer	East / Stop / West	Search / Goto / Store / Reset
User	Stop(60E) ~Stop(0) ~Stop(60W)	Search / Goto / Store

To initialise satellite position saved at the Motor Antenna, set DiSEqC Command Mode to Installer, set Motor Control to Reset, then press the **OK** button. You will see a warning message. To continue the procedure, press the **OK** button.

To set the motor position for each satellite manually, select your desired Satellite Name, set DiSEqC Command Mode to Installer, and then set Movement to one option among East, Stop, or West. The motor starts moving. The level of signal strength and quality bar at the bottom of the screen will indicate the best position of the dish. Set Motor Control to Store when you find the best position, then press the **OK** button to save the position.

To move the motor to the pre-set position of the satellite, select your desired Satellite Name, set DiSEqC Command Mode to User, set Motor Control to Goto, and set Movement to your desired value. The movement is used to fine-tune the position of the motor. Press the **OK** button. The motor will move to the position of the selected satellite.

5. Motor Limit Setting

To enter this menu, press the **RED** button in Satellite Setting menu. You can set the maximum for both East and West to prevent damage to the antenna.

- **Limit Setting:** When Limit setting is set to Enabled, the motor does not move more than the amount of the limit. When Limit setting is set to Disabled, the setting is released.
- **Movement:** You can select one among East, Stop, or West.
- **Store East Limit:** You can save the East Limit.
- **Store West Limit:** You can save the West Limit.
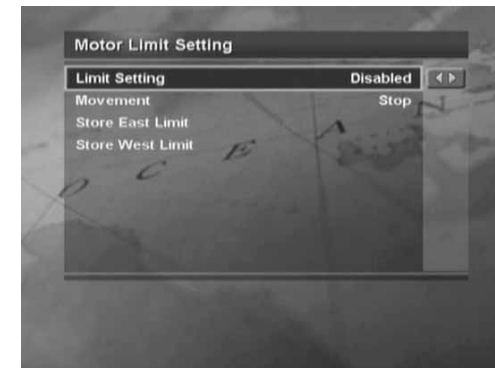
6. Automatic Search

If you select the satellite to search services according to the Antenna Setting, you can automatically search the service without entering any other information.

To enter Automatic Search menu, press the **MENU** button, then select INSTALLATION-SERVICE SEARCHING-MANUAL SEARCH-AUTOMATIC SEARCH.

- **Antenna Alternative:** Select antenna alternative which has different combinations of settings for search. The Satellite Name is automatically displayed. Antenna Alternative 16 is predefined for SMATV.
- **Automatic Skip:** When skipping all scrambled service search, select Yes. Otherwise, select No.
- **Search Type:** If you want to search services through all field of tuner (950~2150MHz), select Detail. Otherwise, select Quick to search services with the preset parameters. In detail mode, you can add the desired Symbol Rate.
- **Network Search:** If you want to search services for multiple transponders, select Yes. Otherwise, select No. When you complete the setting, press the **OK** button to start service search.

Note: The menu structure may vary according to the type of the receiver.

3.3 Common Interface

You can view the current status of CI module using the Common Interface menu (MENU-INSTALLATION-COMMON INTERFACE).

3.4 Default Setting

You can restore the product to the factory settings using the Default Setting menu (MENU-INSTALLATION-DEFAULT SETTING). After completing the default setting, the Selecting Language screen will be displayed. For more information, refer to 3.1 Selecting Language.

Warning: Please note that once you perform Default Setting, all data will be restored to the factory settings except customised password.

4.1 Viewing Programme

You can change a service into your desired service using the **CH-/CH+**, ▲/▼ , or **NUMERICAL** button. You can also use the Service List or Programme Guide.

You can adjust the audio volume using the **V-/V+** or ◄/► button.

Programme Information (i-plate)

i-plate which is also called Information Box is always displayed for a specific period of time whenever you switch services. You can view the programme information by pressing the **i** button while watching a programme. You can see the detailed information about the current programme by pressing the **i** button twice. If the detailed information is more than one page, use the ▲/▼ button to move to the previous or next page. Press the **EXIT** button to hide the i-plate.

You can adjust the duration time of i-plate in MENU-INSTALLATION-SYSTEM SETTING-OTHER SETTING-INFO.BOX DISPLAY TIME.
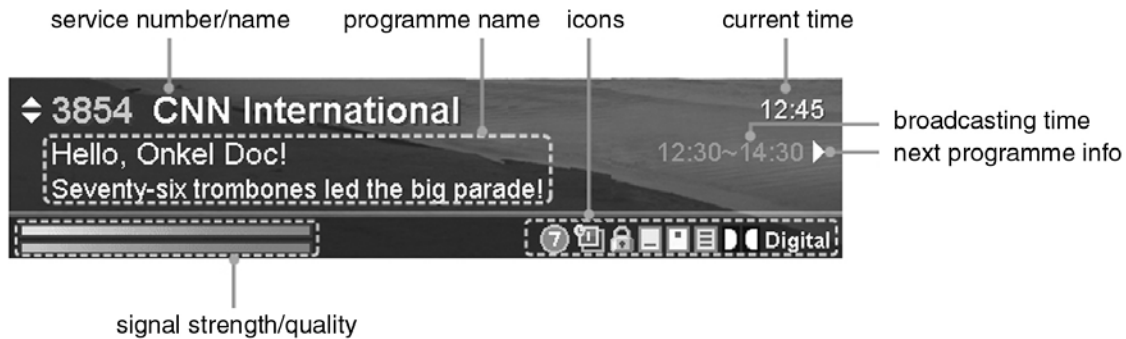
4.2 Changing Language

If the current programme provides subtitle information, the subtitle icon ☐ will appear on the i-plate. You can select the language for the subtitle using the **SUBTITLE** (☉) button. You can select a default subtitle language and set whether or not to display the subtitle in MENU-INSTALLATION-SYSTEM SETTING-LANGUAGE SETTING-SUBTITLE LANGUAGE/SUBTITLE DISPLAY.

If the current programme is available in multiple audio languages, you can select the language that you wish to listen in using the **SOUNDTRACK** (☉) button. You can select a default audio language in MENU-INSTALLATION-SYSTEM SETTING-LANGUAGE SETTING-AUDIO LANGUAGE.

You can also select a default OSD language in MENU-INSTALLATION-SYSTEM SETTING-LANGUAGE SETTING-MENU LANGUAGE.

4.3. Teletext

When the service supports teletext, the teletext icon ▤ is displayed on the I-plate. To enter Teletext mode, use the **SUBTITLE** (☉) button to display teletext.

To display teletext menu, press the **MENU** button in teletext mode. Select your desired teletext function using the ◀/▶ button and press the **OK** button. To view the teletext page, use the **CH-/CH+**, ▲/▼ , **RECALL**, or **NUMERICAL** button.

Teletext Functions

▤ᵢ	**Index**	Return to index page. If there is no index page, jump to page 100.
▤₀	**Sub-page**	Search the sub-page using the sub-code written by users. If it's not in the teletext mode, display the current time.
▤	**MIX**	Adjusts transparency of teletext screen.
▤x	**Cancel**	Hides the teletext except page number.
▤?	**Reveal**	Displays the concealed information.
▤₀	**Double Size**	Displays the text size as double size.
▤ᵢ	**Page Hold**	Holds the current page not updating it.

4.4 Setting Property of Service

You can add the current service to Favourite group. In addition, you can lock, unlock, skip, or delete the current service while watching a programme.

The operation is as follows:

1. Press the **OK** button while watching a programme. The service list will appear on the screen.
    You can also display the service list using the MENU-SELECT SERVICE-SIMPLE (or ADVANCED).
2. Press the **MENU** button while the service list is displayed.
3. Select your desired item (**Favourites/Lock** or **Unlock/Skip/Delete**) using the ▲/▼ button, and press the **OK** or ◀/▶ button.
4. After setting property of a service, press the **OK** button to save the changes.

Note:
- In case of unlocking a service, you will be prompted to enter your Pin Code. The default Pin Code is "1234".
- When switching to the locked service, you should enter the Pin Code to view the service.
- You will not be allowed to watch the skipped service by using the **CH-/CH+** button. However, you can watch the skipped service using the **NUMERICAL** button or Service List.
- For detailed information about how to register Favourite Service for the whole services, refer to 5. Service List.

Note: This menu may vary according to the type of the receiver.

There are 5 types of service lists – All, Favourite, Bouquet, Satellite, Alphabet - to find services you are interested in quickly and easily.

All service list displays all searched TV or Radio services sorted by service number. Favourite service list displays favourite services with automatic sub-groups and 4 sub-groups that you can organise services by your private taste. Bouquet service list displays services with several bouquet subgroups. Satellite service list displays services classified by satellites. Alphabet service list displays all searched TV or Radio services sorted by service name.

5.1 Switching Services

1. Press the **OK** button while watching a programme to display the service list. You can also display the service list using the MENU-SELECT SERVICE-SIMPLE (or ADVANCED).
2. Press the **COLOUR** button to display the corresponding service list. **RED** (All service list), **GREEN** (Favourite service list), **YELLOW** (Bouquet service list), **BLUE** (Satellite service list), **WHITE** (Alphabet service list)
3. Select your desired service using the ▲/▼ , **CH-/CH+** or **NUMERICAL** button, and press the **OK** button to change to the selected service.

Note: Whenever you press the **TV/RADIO** button while the service list is displayed, the service list will be switched between TV and Radio service list.

5.2 Organising Services

You can edit TV or Radio services using the Organise TV Services (MENU-INSTALLATION-SERVICE ORGANISING-ORGANISE TV SERVICES-ORGANISE ALL SERVICES) or Organise Radio Services (MENU-INSTALLATION-SERVICE ORGANISING-ORGANISE RADIO SERVICES-ORGANISE ALL SERVICES). Before leaving Organise TV/Radio Services screen, you will be prompted to save the changes. If you would like to save the changes, select OK, and press the **OK** button.

You can lock, unlock, move, skip, and delete services. You can rename a service.

You can select a service using the ▲/▼/◄/► button, and press the **COLOUR** button to execute the corresponding operation as described on the screen.

When you rename a service, the keyboard will appear on the screen. You can change the name using the keyboard. Select a character using the ▲/▼/◄/► button, and press the **OK** button to enter the selected character. After entering the new name, press the **YELLOW** button to save it.

- To delete a character, press the **BLUE** button.
- To switch to the standard keyboard, press the **RED** button.
- To switch to the extended keyboard, press the **GREEN** button.

Note: You should enter your Pin Code using the **NUMERICAL** button to watch the locked services.

5.3 Organising Favourite Services

You can add services to Favourite groups using Organise Favourite TV Services (MENU-INSTALLATION-SERVICE ORGANISING-ORGANISE TV SERVICES-ORGANISE FAVOURITE A~D) or Organise Favourite Radio Services (MENU-INSTALLATION-SERVICE ORGANISING-ORGANISE RADIO SERVICES-ORGANISE FAVOURITE A~D). Before leaving Edit Favourite Services screen, you will be prompted to save the changes. If you would like to save the changes, select OK, and press the **OK** button.

The Organise Favourite TV/Radio Services screen consists of Favourite Group and Favourite List on the left side of the screen and Service List on the right side. You can move the highlighter in order of Favourite Group, Favourite List, and Service List using the ▶ button. You can move the highlighter in reverse direction using the ◀ button.

To add services to Favourite List, select a service in Service List using the ▲/▼ button, and press the **OK** button.

For more information about how to edit the services in Favourite List, refer to 5.2 Organising Services.

5.4 Organising Satellites

You can turn a satellite on or off and delete a transponder.

To enter Organise Satellites menu, go to MENU-INSTALLATION-SERVICE ORGANISING-ORGANISE SATELLITES.

The Organise Satellites screen consists of Satellite List on the left side of the screen and Transponder List and Service List on the right side. You can move the highlighter in order of Satellite List, Transponder List, and Service List using the ▶ button. You can move the highlighter in reverse direction using the ◀ button.

You can select a satellite in Satellite List or transponder in Transponder List using the ▲/▼ button, and press the **RED** button to delete the selected satellite or transponder.

You can select a satellite in Satellite List using the ▲/▼ button, and press the **YELLOW** button to turn the selected satellite off or press the **GREEN** button to turn the selected satellite on.

Note: You should turn one satellite on at least.

The programme guide provides the programme information for all services, based on date and time. In addition, it provides convenient ways- viewing programmes in Now, Next, Weekly, or Quick mode - to search your desired programme and to watch or reserve it.

You can go to the programme guide screen by just pressing the **GUIDE** button or by using MENU-TV GUIDE. To close the guide screen, press the **GUIDE** or **EXIT** button.

You can navigate the guide using the following instructions:
- Press the **RED** button to display the current or next programme list.
- Press the **GREEN** button to display the programme list for one-week.
- Press the **YELLOW** button to display the reserved programme list.
- Press the **BLUE** button to display the simple Guide. This is also called Quick Guide.
- Press the **WHITE** button to reserve the selected programme in Now, Next, Weekly, or Quick mode.
- Press the **WHITE** button to change the reservation mode or to cancel the reservation in Reserved mode.
- Select a service using the ▲/▼ or **CH-/CH+** button. When switching services using the ▲/▼ button, press the **OK** button to display the selected service on the right side of the screen.
- Select a day in Weekly mode using the ◄/► button, and press the **OK** button.

current time ---- broadcasting status bar
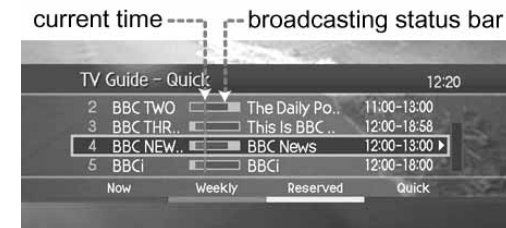
Note:

- Press the **TV/RADIO** button to switch to the Radio Guide.
- The reservation icons on the reserved programmes in the guide differ according to the reservation type.

  Once   Reserve a programme once.

  Daily   Reserve a programme everyday.

  Weekly   Reserve a programme once a week.

- If your desired programme is overlapped with other programme, adjust the reservation appropriately. If the service is locked, restricted by watching time, you will be prompted to enter your PIN Code to complete the reservation.

This chapter describes the menu which lets you customise your product by your taste. If you are not familiar with navigating menu, see 3.2 Searching Services before setting preferences.

7.1 Parental Control

The Parental Control menu (MENU-PARENTAL CONTROL) lets you control the access to programmes by programme rating.

Set Censorship Classification by age level. "No Block" allows you to watch programmes without any blocking. You can block all programmes regardless of age level. The blocked programmes are required to enter your Pin Code.

We recommend you to change the old Pin Code to a new one periodically for security. If you have forgotten your Pin Code, please contact your local product distributor.

7.2 System Setting

The System Setting menu (MENU-INSTALLATION-SYSTEM SETTING) lets you set language, time, audio/video output, UHF tuning, transparency of OSD, duration time of i-plate and switching mode to reserved service.

1. Language Setting

You can set a default language for menu, audio, and subtitle. And you can set whether or not to display the subtitle.

2. Time Setting

You can set current time, and turn on or off the product automatically. Once you set the Wakeup time and Sleep time, the product is turned on and off everyday.

3. A/V Output Setting

This menu lets you adjust the audio and video output, match the screen ratio to your TV, and select the display format according to the screen ratio, and select the TV standard.

4. UHF Tuning

You can select UHF Channels for your TV and adjust fine tuning setting. The channel range and frequency change according to PAL Standard.

5. Other Setting

You can adjust the transparency level of On-Screen Display (OSD), set the duration time of the i-plate displayed when switching services and select automatic or manual mode to change to the reserved service.
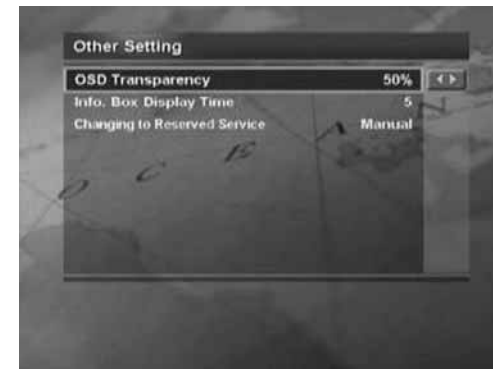
The Status menu (MENU-INSTALLATION-STATUS) provides checking tools like status information of system and signal level of service. If you are not familiar with navigating menu, see 3.2 Searching Services.

1. STB Status

You can view the information about the product serial number, Smartcard version, CA Module version, Loader version, and S/W version. When you contact your service provider or local product distributor, this information may be required.

2. Loader Status

You can view the product serial number, loader version, H/W version, and so on.

3. Signal Detection

You can view the signal strength and signal quality of the service that is currently being viewed.

4. STB Upgrade

For detailed information about STB Upgrade, refer to 10.Software Update.

5. Conditional Access

You can check the information of Conditional Access component – CA Module and Smartcard.

6. Mail Messages

You receive mails sent by broadcasting company. When a new mail arrives, the envelope icon 🖂 will appear on the screen. Sometimes an urgent message will be directly displayed on the screen while you are watching a programme. The old mails will be deleted automatically when your mail box overflows.

Select a mail using the ▲/▼ button, then press the **OK** button to read the mail. The message will be displayed. Press the **OK** or **EXIT** button to return to the mail box screen. If you would like to delete the read mail, select Delete, and press the **OK** button.

The product provides various utilities- viewing calendar, checking your biorhythm, and enjoying games. To use utilities, go to MENU-UTILITY. If you are not familiar with navigating menu, see 3.2 Searching Services.

1. Calendar

You can see the specified monthly calendar. Press the ▲/▼ button to change year. Press the ◀/▶ button to change month. Press the **OK** or **EXIT** button to return to the previous menu.

2. Biorhythm

You can adjust your birth year and date to see your current biorhythm status. Press the ◀/▶ button to move to the next step. Press the ▲/▼ button to change a value in the step. Press the **EXIT** button to return to the previous menu.

3. Games

You can select games using the ◀/▶ button. Use the ▲/▼/◀/▶ , **OK**, **COLOUR**, or **EXIT** button according to the instructions displayed on the screen.

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In order to maintain proper performance of the product, it is essential to have the most up-to-date software. The latest news and release of software versions may be found at the Humax website - http://www.humaxdigital.com.

It is recommended that you periodically check for the availability of software upgrades.

1. OTA (Over the Air)

OTA, an abbreviation of "over-the-air", means that the software can be downloaded where the manufacturer reserves the right to decide when and where to release through antenna system.

Over the Air (OTA) is simply an alternative method for downloading software versions. However, the manufacturer reserves the right to decide when and where this software update can take place latest software versions over the antenna.

The software update will only occur under the following circumstances:

1. The equipment should have appropriate loader software.

    Caution: Please note that if you don't have normal loader software, the equipment may not be updated or work after software update.

2. The manufacturer decides to release software downloading via a designated antenna system.
3. The equipment must be tuned properly to the same channel that the manufacturer uses.
4. Upgrade software when the quality of receiving signal strength is high. If the weather is not so good that the quality of receiving signal strength is not recommendable, perform the software upgrade later.

Caution:
•   Please be careful to keep the power on and the power cord plugged in during software update. If the power is off during software update, it may cause fatal damage to the product.
•   Please be careful not to pull out the Signal line during software update. Update may be interrupted and the product may not work.

The product cannot work at all during software update. It may take 5-10 minutes to update software.

Updating software is largely divided into two ways, automatic detection and using software update menu (MENU-INSTALLATION-STATUS-STB UPGRADE).

New software can be found when powering on the product. The notice informing you of new software detection will appear on the screen. If you would like to update software, select Yes, and press the **OK** button. After completing the software upgrade, the product is automatically powered off and on again.

The software update menu allows you to update software automatically. After completing the software upgrade, the product is automatically powered off and on again.

2. Software Update from PC

You can connect your product to the PC directly and upgrade your software by transferring the new software from the PC.

Follow these steps to download new software from PC to this product.

1. Download new software file equivalent for this product model from our website into your computer (http://www.humaxdigital.com).
2. Download and install download tool from our website into your computer.
3. Connect your PC to this product with RS-232C serial cable.
4. Execute installed download tool, and then follow the instructions on the download tool.
5. Press the **STANDBY** button to make this product operating.

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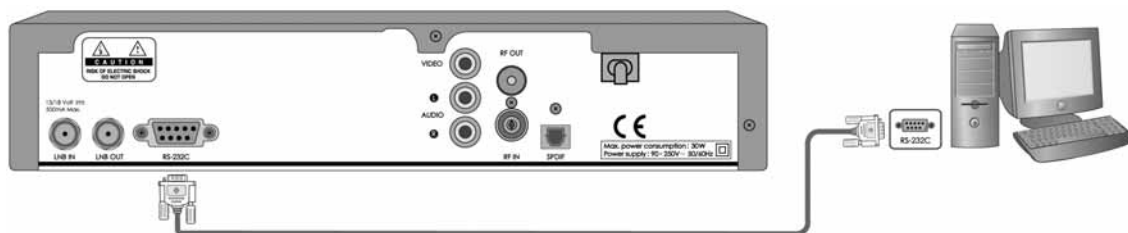
Before contacting your local service, please read the following instructions. If the product does not work normally after completing the following troubleshooting, please contact your local product distributor or service centre.

1. **The LED on the front panel does not light.**
   - Check the main power cable and check that it is plugged into a suitable power outlet.

2. **No picture**
   - Make sure that the product is in operation mode.
   - Make sure that the AV Cable is firmly connected to the TV.
   - Make sure that the antenna line is correctly connected to the equipment.
   - Check the brightness level of TV.
   - Check the service is on air.

3. **Poor picture & sound quality**
   - Make sure there is no mobile phone or microwave oven near the equipment.
   - Make sure the signal strength and quality which can be influenced by weather.
   - Change satellite dish into bigger one if it is small.
   - Replace the LNB with the one with low noise factor if the noise factor is high.
   - Replace the LNB with new one if it is damaged or out of order.

4. **No or poor sound**
   - Check the volume level of the TV and product.
   - Check the mute status of the TV and product.
   - Press the SOUNDTRACK button to change the audio type.

5. **Remote controller does not operate**
   - To manipulate the equipment with the remote controller, its emitting part should directly point towards its receiving part of the product.
   - Check the battery of the remote controller.

6. **Reservation is unavailable**
   - Check whether it is not overlapped with other reservation.
   - Check whether the power is off.

7. **Watching scrambled service is not available**
   - Check the correct Smartcard is plugged in.
   - Check the Smartcard is correctly plugged in, and plug the Smartcard again.
   - Check whether the Smartcard is damaged.
   - Make sure you subscribe to the service.

MPEG Transport Stream A/V Decoding

Aspect Ratio	4:3, 16:9
Video Resolution	720 x 576, 720 x 480
Audio Mode	Single /Dual mono/ Stereo /Joint stereo

Memory

Flash Memory	2 Mbytes
Graphics(MPEG) & System Memory	8 Mbytes
EEPROM	8 Kbytes

RF-Modulator

Output Channel	CH 21 ~ 69
TV standard	PAL I/G/B/D/K
Preset Channel	CH 36

A/V & Data In/Out

Video	1 Output RCA (CVBS)
Audio	2 Output RCA (Audio L/R)
RS-232C	9-pin socket type

Power Supply

Input Voltage	AC 90 ~ 250V, 50/60Hz
Type	Switching Mode Power Supply (SMPS)
Power Consumption	Operation mode: Max. 30 W Standby mode: Max. 9 W
Protection	Separate internal fuse & Lightning protection

Physical Specification

Size	310 mm X 60 mm X 237 mm
Weight (Net)	1.89 kg
Operating Temperature	0 ℃ to +45 ℃
Storage Humidity	5% ~ 95% RH (Non-condensing)

You can get information such as troubleshooting guide, software upgrades and product support guide from the following web sites and call centre (Hotline).

Please try to contact to your local dealers first when you have any problem.

Homepage

http://www.humaxdigital.com	English
http://www.humaxdigital.com/Deutsch/	Deutsch
http://www.humaxarabia.com	Arabic

HCSA (Humax Customer Service Area)

Software Download, Information and Technical Q&A

http://www.humaxdigital.com/hcsa/	English
http://www.humaxdigital.com/Deutsch/hcsa/	Deutsch

E-mail (Technical Q&A)

tech-info@humax-digital.co.uk	Europe & North Africa
techinfo@humax-digital.de	Germany
callcenterME@humaxdigital.com	Middle East
Webmaster@humaxdigital.com	Asia & Other area

Humax Middle East Call Centre (Dubai, UAE)
Tel: +971 (0)4 359 2323 (Open: 9:00 - 20:00 / close on Friday)
E-mail: callcenterME@humaxdigital.com
Open: Local Time in Dubai (GMT+4)
9:00 - 20:00 (Saturday - Thursday, close on Friday)
Support Language: English/Arabic

Humax Hotline (Germany)
Germany: 01805 778 870 (0,12/Min)
Other Countries: + 49 1805 778 870 (0,12/Min+ International Call Charge)
Open: Local Time in Germany (GMT+1)
8:00 - 20:00 (Monday - Friday)
8:00 - 18:00 (Saturday)
Support Language: Deutsch/English

Humax BTCI Hotline (Premiere Model)
Germany: 01805-778900 (0,12/Min)
Austria: 0900-900633 (0,33/Min)
For hardware repair, please refer to support website. (Homepage or HCSA)